

ATTY. DOCKET NO.
UMBC-004APPLN. SERIAL NO.
09/928,662APPLICANT(S)
Govind RAOFILING DATE
August 14, 2001GROUP
1744 1651LIST OF PRIOR ART CITED BY
APPLICANT

(PTO-1449)

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE

U.S. PATENT APPLICATION PUBLICATIONS

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U.S. PATENT APPLICATIONS

*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No

OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)

<i>J</i>	Chang et al., "Steam-Sterilizable, Fluorescence Lifetime-Based Sensing Film for Dissolved Carbon Dioxide", Biotechnol Prog, March-April, 14 (2):326-331 (1998)
<i>J</i>	Bylund et al., "Influence of Scale-Up on the Quality of Recombinant Human Growth Hormone", Biotechnol Bioeng, 69:119-128 (2000)
<i>J</i>	Kostov et al., "Low-Cost Microbioreactor for High-Throughput Bioprocessing", Biotechnol Bioeng, February 5, 72 (3):346-52 (2001)
<i>J</i>	S.B. Bambot et al., "Lifetime-based optical sensing of pH using resonance energy transfer in sol-gel films", Sensors and Actuators B 22 (1994) pages 181-188
<i>J</i>	Sipior et al., "A Lifetime-Based Optical CO2 Gas Sensor with Blue or Red Excitation and Stokes or Anti-Stokes Detection", Anal Biochem, May 20, 227 (2):309-18 (1995)
<i>J</i>	Gryczynski et al., "Polarization-Based Oxygen Sensor", Analyst, July, 124(7):1041-44 (1999)
<i>J</i>	Bambot et al., "Optical Oxygen Sensor Using Fluorescence Lifetime Measurement", Adv Ep Med Biol, 361:197-205 (1994)
<i>J</i>	Chae et al., "Framework for Online Optimization of Recombinant Protein Expression in High-Cell-Density Escherichia Coli Cultures using GFP-Fusion Monitoring", Biotechnol Bioeng, August 5, 69 (3):275-85 (2000)
<i>J</i>	DeLisa et al., "Monitoring GFP-Operon Fusion Protein Expression during High Cell Density Cultivation of Excherichia Coli using an On-Line Optical Sensor", Biotechnol Bioeng, October 5, 65(1) :54-64 (1999).

EXAMINER

K.C. Sordas

DATE CONSIDERED

07/30/2003

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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SHEET 2 OF 2

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	Isabelle Walther et al., "Performance of a miniaturized bioreactor in space flight: microtechnology at the service of space biology", <i>Enz. Microb. Technol.</i> , Vol. 27, pages 778-783.						
	Gregor Liebsch et al., "Luminescence Lifetime Imaging of Oxygen, pH, and Carbon Dioxide Distribution Using Optical Sensors", <i>Applied Spectroscopy</i> Volume 54, pages 548-559 (2000).						
	Yordan Kostov et al., "Low-cost device for ratiometric fluorescence measurements", <i>Journal of the American Institute of Physics</i> , pages 4466-4470 (1999).						
	Y. Kostov et al., "Solid State Luminescence Phase-Shift Oxygen Sensor for Biotechnology", <i>Chemical and Biochemical Engineering Quarterly</i> , pages 201-205 (1998).						
	Yordan Kostov et al., "Unique Oxygen Analyzer Combining a Dual Emission Probe and a Low-Cost Solid-State Ratiometric Fluorometer", <i>Applied Spectroscopy</i> , Volume 54, pages 864-868 (2000).						
	Yordan Kostov et al., "All Solid-State GFP Sensor", <i>Biotechnology and Bioengineering</i> , Vol. 70, No. 4, pages 473-477 (Nov. 20, 2000).						
	Zhong Xu et al., "A novel fiber-optic pH sensor incorporating carboxy SNAFL-2 and Fluorescent wavelength-ratiometric detection", pages 9-15.						
	Lisa Randers-Eichhorn et al., "On-Line Green Fluorescent Protein Sensor with LED Excitation", <i>Biotechnology and Bioengineering</i> , Vol. 55, No. 6, pages 921-926 (Sept. 20, 1997).						
	Shabbir B. Bambot et al., "Phase Fluorometric Sterilizable Optical Oxygen Sensor", <i>Biotechnology and Bioengineering</i> , Vol. 43, pages 1139-1145 (1994).						
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